

# IRON AGE



Narrow Rows of Potatoes  
Between Rows of Grapes

## FARM, GARDEN AND ORCHARD IMPLEMENTS

American Factory

Established 1818

**BATEMAN MFG CO.,**

GREENLICH, NEW JERSEY, U.S.A.

Canadian Factory

**THE BATEMAN-WILKINSON CO.,**

Limited

TORONTO, ONTARIO

## Two Horse Riding and Walking Cultivators

These keep the weeds out and the moisture in,  
they make the crops grow faster and harder,  
the operator gets the kind of cultivation he  
needs and the horses come in at night nearly  
as fresh as when they left in the morning.



Tools are carried in stock at centers of distribution.  
Liberal stock of suitable tools for each vocation are carried by the  
best class of implement and hardware dealers in the country.  
It is handled by your local dealer, write us for nearest address  
where tools can be seen and explained.

John Klein's Bateman Mfg Co. Collection



# The Building of a Riding Cultivator

When the White Man first landed he found an Indian Squaw working in a little patch of corn with a flat stone crudely tied to a piece of stick. "Heap back-ache!"

But the White Man took a lump of iron, hammered it thin and fastened it to a wooden handle with hand-forged nails. He could work a bigger garden than the Indian, and do it easier.

More people came and built a town. They couldn't all have a garden and a few couldn't grow enough for them all with only a hoe. So the White Man took several hoes, bolted them to a clumsy wooden frame and hauled it around with a horse.

The Horse-Hoe answered for many years. Then men learned that intensive cultivation retained the moisture in the ground and allowed the chemical properties of the air to get to the roots. They planted more acres and a wider variety of crops that demanded a cultivator that would do the greatest amount of work, in the least possible time and that would be easy on the team and easy to operate—in other words, a Two-Horse Riding Cultivator—in two words, an "*Iron Age*."

They are cultivators with every possible adjustment for gangs, points, wheels and frame—made to operate successfully in any kind of a crop, in any soil and on level or hillside farms. Necessary in potato and trucking sections, they are just as effective in corn.

And then it's a constant satisfaction to have a machine where you can ride and come in at night without being dead tired, with a team nearly as fresh as they were in the morning, and behind you a big day's work well done.

The "Iron Age" line contains single- and double-row machines, with high or low pivot or fixed wheels, grooved, flat or zigzag gang bars and many attachments for fallow work, ridging, close work in tobacco, etc. Then there are Two-Horse Walking Cultivators for the man who wants them.

A complete description follows. Look for the machines at your nearest dealer's and write us as many questions as you like.

If interested, we will be glad to send free booklets on Hand Wheel Cultivators and one-horse tools.

**BATEMAN M'F'G CO.,**  
GRENLOCH, N. J., U. S. A.



Two Low-Wheel "Iron Age" Riding Cultivators in Potatoes



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Low Pivot-Wheel Riding Cultivator

The potato farmer, truck gardener, or general farmer, needs a cultivator with a wide variety of adjustments, without complicated parts, because he has many things to do, in many different ways. Such a machine is No. 878, with its pivot wheels, hinged gangs, and sliding standards, adjustable for width and angle.

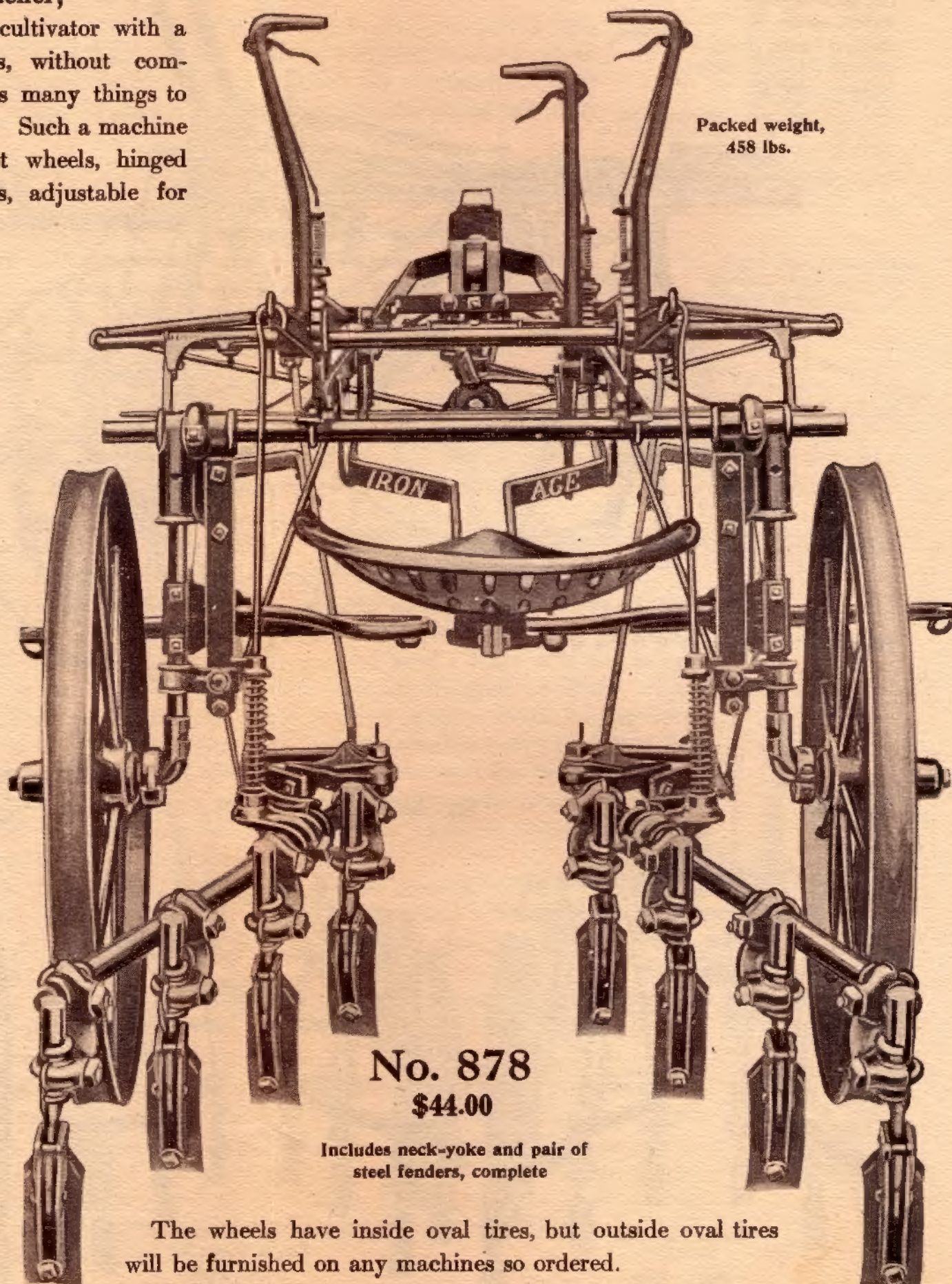
In corn, the teeth can be set for shallow cultivation close to the plants, deep in center of row, or for perfectly level cultivation.

For beans, tomatoes, etc., this tool is a close, thorough, convenient worker.

The sugar beet grower plants close, and needs to narrow up his cultivator for good work—No. 878 can be adjusted for narrower rows than on any other riding cultivator on the market.

### Styles and Prices

No. 878—Grooved Bar, 8-Hoe..	\$44.00
No. 878A—With Spring Teeth, see Fig. 370.....	42.75
No. 878B—With Spring Hoes.....	50.00
No. 886—Flat Bar, 6-Hoe, see Fig. 466.....	41.50
No. 886A—With Spring Teeth, see Fig. 371, page 9.....	40.25
No. 886B—With Spring Hoes, see Fig. 465.....	46.00
No. 898—Flat Bar, 8-Hoe, Zig-zag, see Fig. 467.....	42.00
No. 898A—With Spring Teeth, see Fig. 371.....	40.75
No. 898B—With Spring Hoes, see Fig. 465.....	48.00
Extra Spring Hoes, complete ..	1.50
See inside back cover for points and steels.	



Packed weight,  
458 lbs.

**No. 878**  
**\$44.00**

Includes neck-yoke and pair of  
steel fenders, complete

The wheels have inside oval tires, but outside oval tires will be furnished on any machines so ordered.

Eight No. 91 points are furnished regularly.



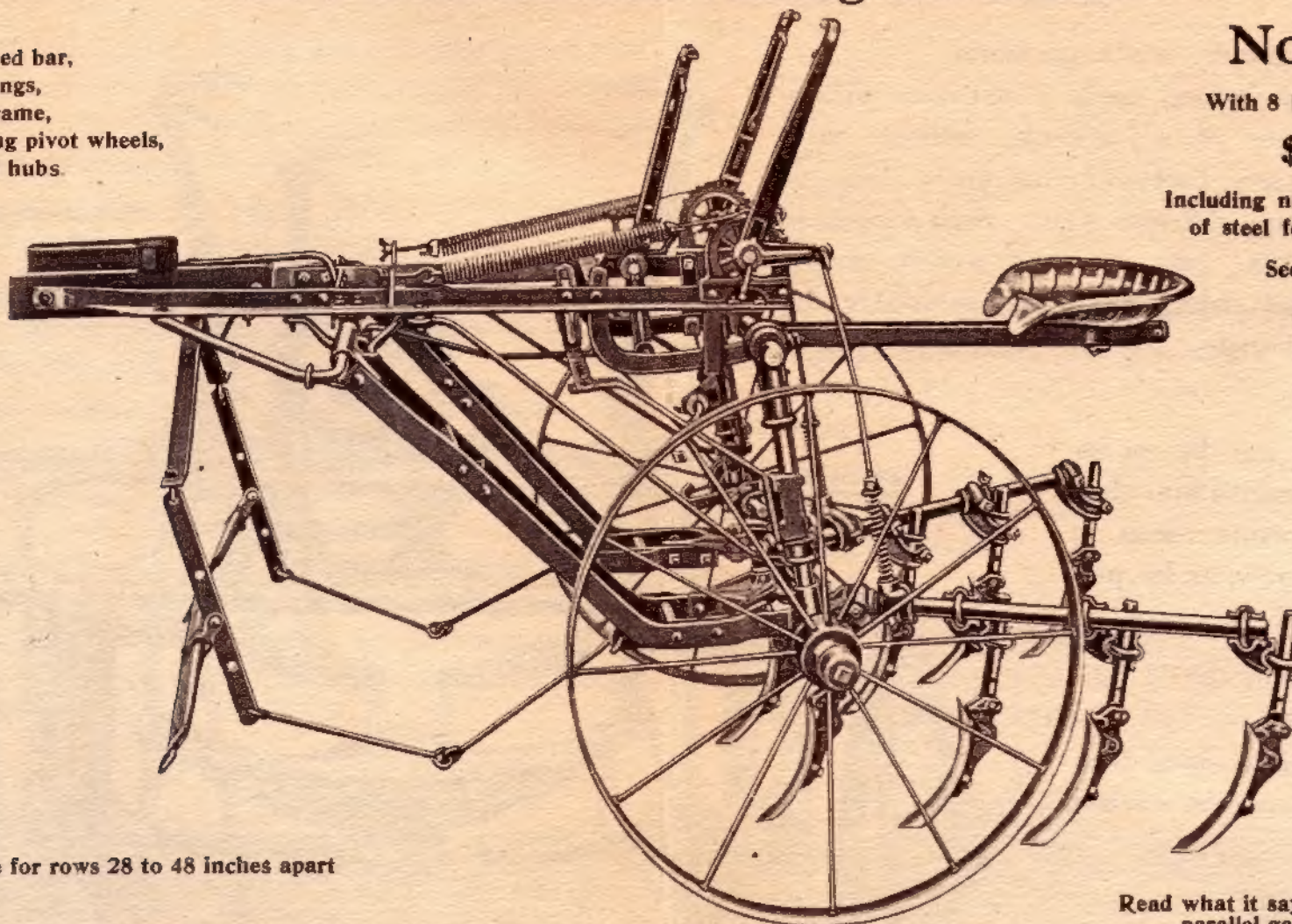
BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Low Pivot-Wheel Riding Cultivator

Has grooved bar,  
pivoted gangs,  
all-steel frame,  
ball-bearing pivot wheels,  
dust-proof hubs.



**No. 878**

With 8 break-pin hoes

**\$44.00**

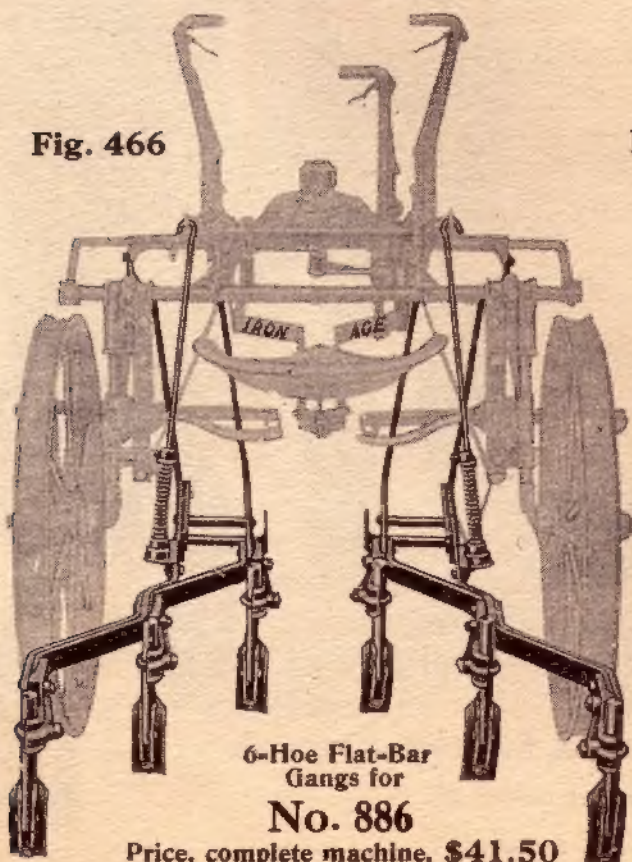
Including neck-yoke and pair  
of steel fenders, complete

See below for other  
styles of this  
machine

Adjustable for rows 28 to 48 inches apart

Read what it says on page 3 about  
parallel gang movement

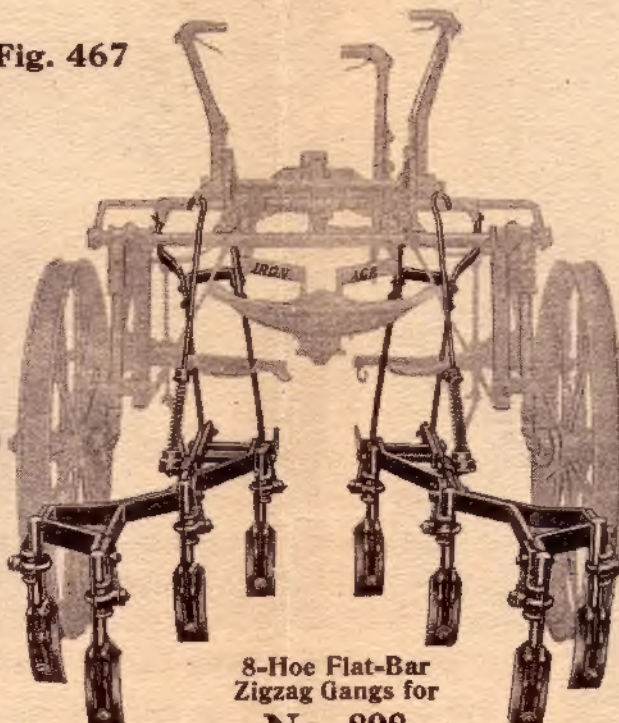
Fig. 466



6-Hoe Flat-Bar  
Gangs for  
**No. 886**

Price, complete machine, \$41.50

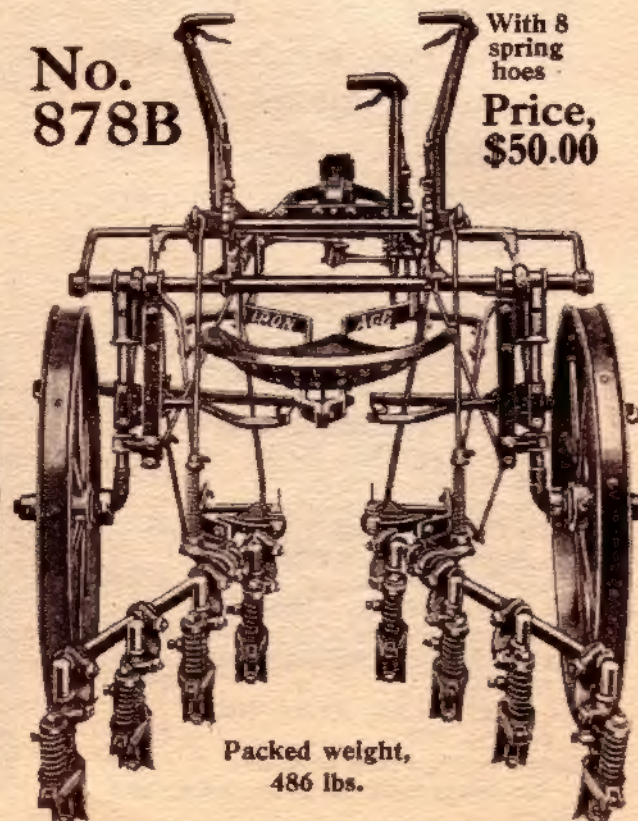
Fig. 467



8-Hoe Flat-Bar  
Zigzag Gangs for  
**No. 898**

Price, complete machine, \$42.00

**No.  
878B**



With 8  
spring  
hoes  
**Price,  
\$50.00**

Packed weight,  
486 lbs.



## Low Pivot-Wheel Riding Cultivator

No. 878 is a low, pivot-wheel Riding Cultivator with an all-steel frame—the kind that permits the operator to cultivate his own way instead of being limited by soil conditions or want of machine adjustments.

### All-Steel Frame

All the wood parts are discarded except the pole and neck-yoke and in their place there is a solid steel frame, angle steel pole connections and patent steel singletrees. The new frame is rigid in itself, but is trussed to make doubly sure that the gang heads are always in line and the gangs shift only in parallel lines.

### A Low Wheel Machine

Not that it is any better, but it is built to accommodate the men who prefer low wheels.

### Pivot Wheels

They mean easy guiding with the feet on rolling or hilly ground and short turns at ends of rows. The pivots are fastened low on the axles (Fig. 322), with hardened steel ball bearings at the top to carry the weight of the machine. The axles are made in one piece.

### Wheel Construction

The wheels are 32 inches high, with staggered spokes and 2½-inch oval (inside) tires. Oval (outside) tires are substituted, when ordered, without extra charge.

### Dust-Proof Hubs

They live up to their name and a turn of the lubricating cup on the end forces the grease the length of the hub. See Fig. 359 and description on page 7.

### Pivoted Gangs

This feature gives you the range you need. (Fig. 321.) They are used only on No. 878. In very close rows special narrow points can be used, even four, five or six on each side, if desirable. They cost little extra money and are furnished only when ordered.

### Grooved Gang Bars

The standards on No. 878 only, are carried on grooved bars. They slide on the bar and so can be adjusted to cut in any part of the row, at any angle or depth. The operator can throw the soil to or from the plants or travel straight ahead, cutting deep or shallow. Each tooth is independent. That permits shallow cultivation near the middle or any way you wish. Steel standards, steel bars, steel eye bolts.

### Parallel Gang Movement Easy Shift and Lift

It keeps the points always facing one way. If set squarely to the front, each point cuts the full 2½ inches. Set them at an angle and the angle is always the same no matter which way the gangs are shifted.

One lever shifts both of the gangs, for width, with the team in motion, as easily as when the team is standing. Two or more crops, in the same row can be worked without stopping, or without injuring the plants. Powerful springs and handy levers raise the gangs. Any boy can do it.

### Holding Points Down

The tension springs are set far enough back on the gangs and have the right tension to hold the points to their work even when the soil gets hard. But the tension always gives when the points strike obstructions.

### Width of Rows

28 to 48-inch rows is the range limit for cultivation. The pivoted hinges account for 22 inches, the wheels carry a 22-inch adjustment on the bar and the gang lever does the rest.

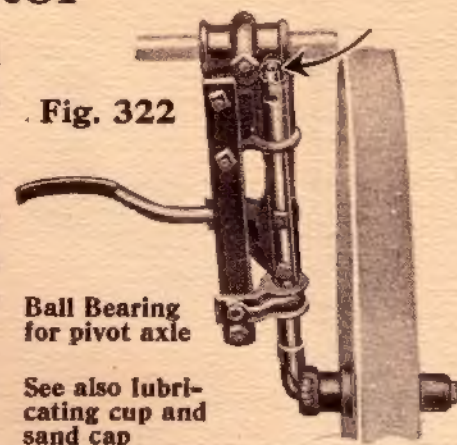
### Other Adjustments

The seat support can be changed for height and angle, a balance for light or heavy men is regulated by means of two pivot stay braces in front, and the pole can be adjusted for height. For fallow ground or when on the road, the wheels can be fixed in position by putting one bolt through the stay brace and tie strap.

### Direct Draft

The horses draw direct from each gang.

Fig. 322



Solid steel frame, steel trussed, angle steel pole connections

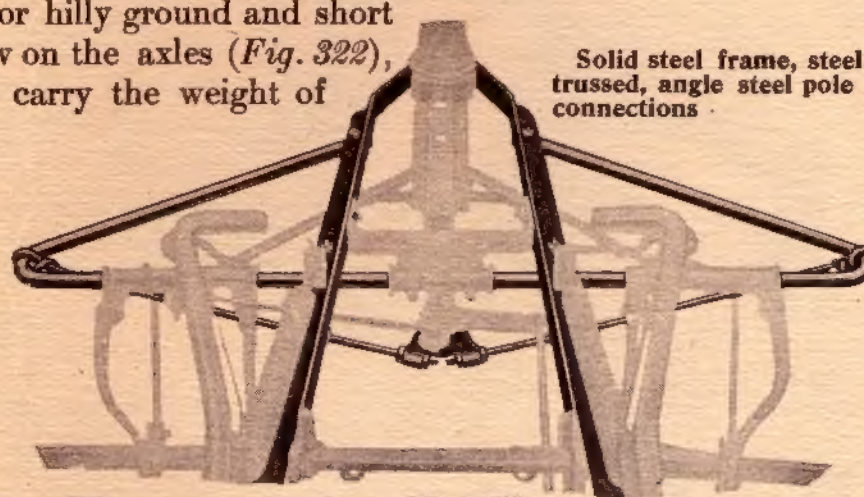
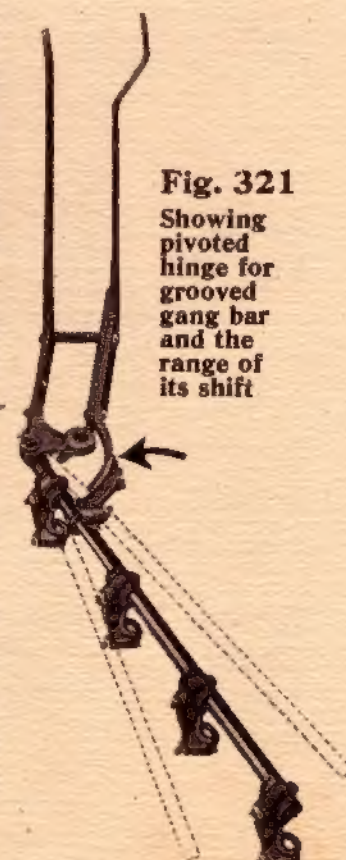


Fig. 321

Showing pivoted hinge for grooved gang bar and the range of its shift









## Attachments for Riding Cultivators

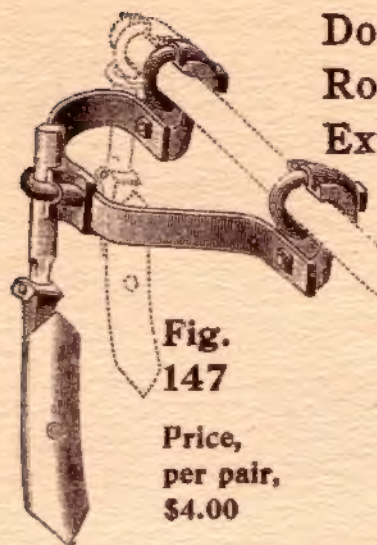


Fig. 147

Price, per pair, \$4.00

**Double-Row Extension**

For cultivating at one time two rows of beans, potatoes and other crops planted equally close. The team straddles one row and this attachment cultivates close to the next row on each side—in other words, you cultivate all of the two middles in rows up to 33 inches wide. Does not leave open furrows next to the crop, as the extra outside tooth is ahead of the rear tooth on the regular gang. Also valuable for fallow work and cultivating very wide rows, up to 59 inches apart. Used on No. 878 only. If wanted with spring tooth, order *Fig. 147S* at same price.

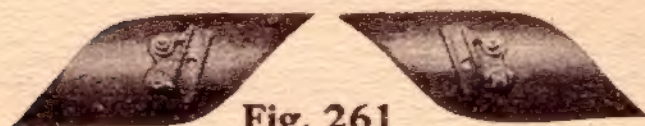


Fig. 261

Hilling Shovels, Price, per pair, \$1.25

**Hilling Attachment**

Fig. 261

These shovels are used on all Riding and Walking Cultivators and Horse Hoes with entire satisfaction. They will hill crops, take away soil from the plants and cover furrows.

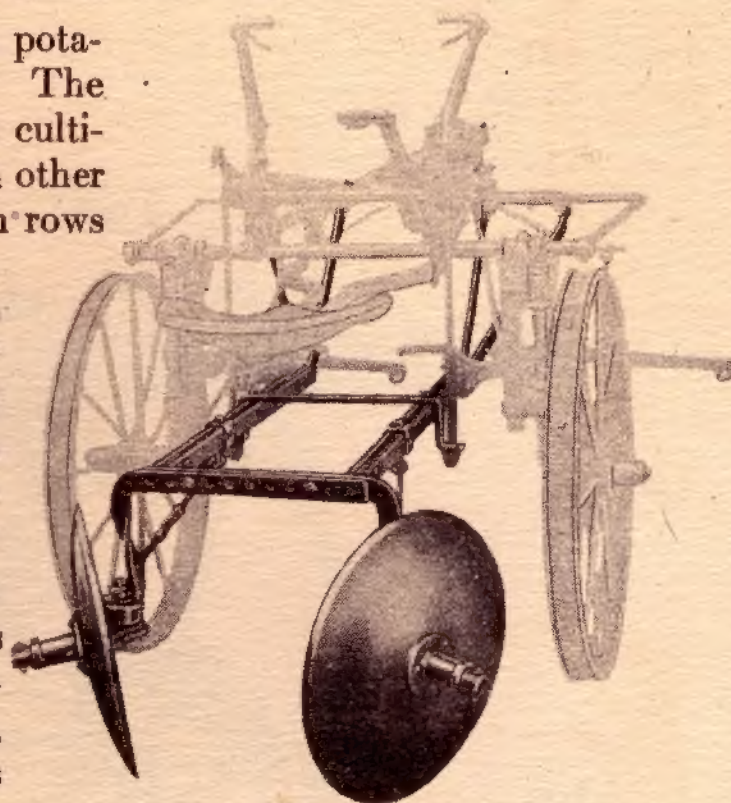


Fig. 484

Solid parts show disc ridging attachment on No. 878.

Price, attachment only, \$12.50

**Star Fender Attach.**  
Fig. 285

Furnished when ordered, without extra charge, for any Riding Cultivator in place of the regular sheet-steel fenders which go with every machine sent out. They revolve in the direction in which the machine is going—while they protect from heavy clods of dirt, they also let fine dirt through.

**Disc Ridging Attachment**  
Fig. 484

To throw up a higher ridge than is possible by the use of plows or regular disc attachments. It is simply a larger and stronger equipment than the disc attachment. It is applied in place of the cultivating gangs—has 20-inch discs, adjustable for depth, width of ridge and angle at which they are set. This attachment is especially valuable in that part of New England where

high ridging of potatoes is practiced. Will fit any of the No. 878 or 608 series. If wanted for old No. 82 series, order *Fig. 284*.

**Tobacco Attachment**  
Fig. 4686

The engraving shows it applied on No. 878; takes two to work it, one on the upper seat to drive and the other sits behind to operate the independent gangs in tobacco and other crops, where it is desirable to work close to the plants and between the hills, get perfectly level cultivation and keep weeds out. Each of these independent gangs has three narrow, reversible diamond-shaped teeth with cultivator tooth forged on one end and harrow tooth on the other. One or more teeth can be taken off—trashy soil may make it necessary to use but two. Each independent gang pivots in front and tension springs keep them in the ground.—Gangs are raised easily at ends of rows. The attachment is constructed so that the front inside regular cultivator teeth can be set forward, where they break up the soil ahead of the narrow teeth—heretofore they could not be used at all. Tobacco attachments for other machines are as follows: No. 60 takes *Fig. 4681*; Nos. 82, 140 take *Fig. 4682*; Nos. 83, 84 take *Fig. 4683*; Nos. 63, 86 take *Fig. 4684*; Nos. 608, 626 take *Fig. 4687*.

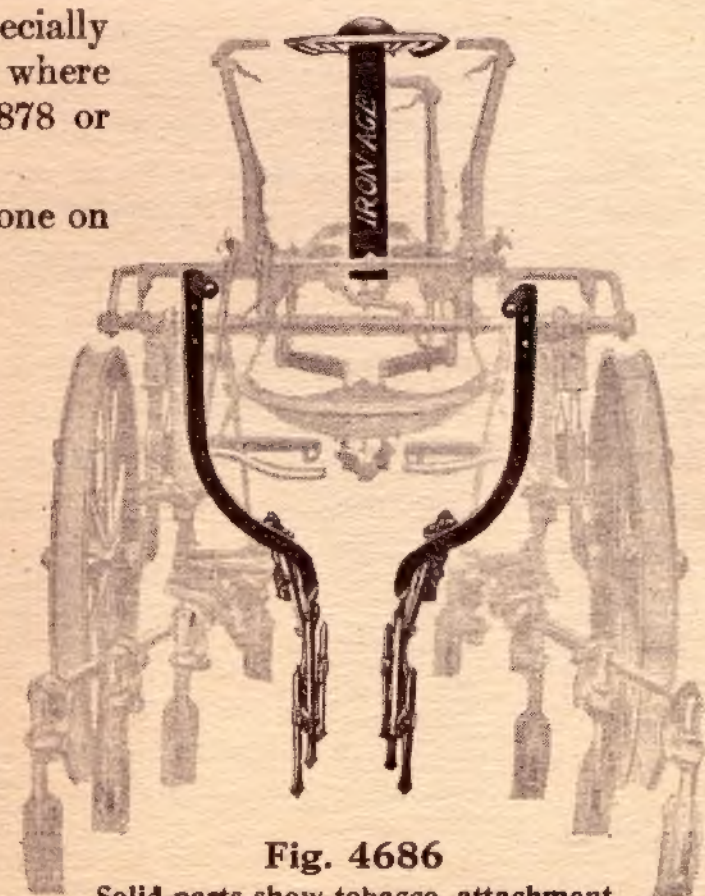


Fig. 4686

Solid parts show tobacco attachment applied to No. 878. Price, attachment only, \$6.50



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

IRON

AGE

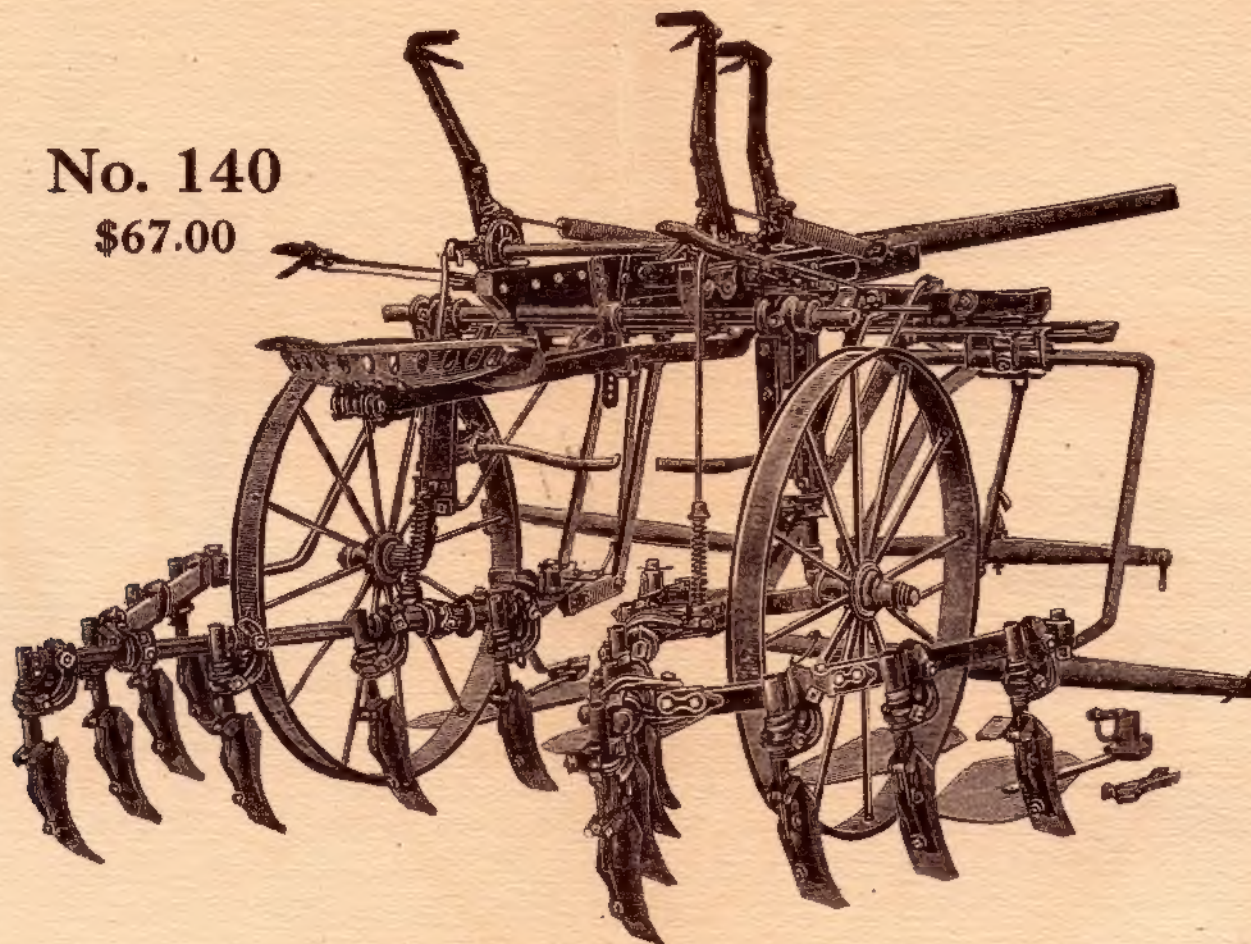
SEVENTY-EIGHT  
YEARS IN BUSINESS

## Double- and Single-Row Pivot-Wheel Riding Cultivator

Works rows  
28 to 44 inches  
apart

No. 140

\$67.00



A fine machine on  
big farms, in  
long rows

Takes  
14 No. 97 points

Packed weight,  
645 lbs.

Prices include  
neck-yoke and two  
pairs of steel  
fenders, complete

If wanted with  
spring teeth, order

No. 140A

Price,  
\$64.50

### The Need for Two- Row

Suppose you are planting a large acreage of potatoes. You know the principles of thorough cultivation—that after each rain you must get over the ground at once or it will bake in the sun. Then it will be harder to work and the result is much less satisfactory. Now, suppose you buy two single-row machines in order to get over the ground quicker—that means four horses and two men—a double-row cultivator takes but two horses and one man. If your acreage is large, more than one double-row machine would be necessary, and single-row machines would nearly double your expense.

### A Real Time Saver

No. 140 is right at home on big farms where the rows are long, for it travels astride one row and thoroughly cleans up two middles that are not over 44 or under 28 inches apart. And the spaces may be irregular and yet be properly worked.

### For Single Rows also

The Cultivator can be used also for single rows by taking off the outside sections. On hillsides or the first time through on hard, baked ground, it is usually better to use the one-row form. It saves draft and the operator gets around easier.

### Inside Gang Sections Outside Sections

They have grooved, hinged bars which you can adjust for any width row within the range and any kind of cultivation needed—shallow or deep, to or from the plants, and as close to the rows as you wish.

Have flat steel gang bars and three cultivating points which can be shifted to any position on the bar. The rear point of these three is attached to separate jointed section of the bar and can be moved to let trash out of the pocket formed by the three points back of each wheel. The outside gangs are attached to main cross bar without a front arch—simple construction but strong and rigid. Horizontal levers shift each outside section separately, about eight inches. They save misplaced or bushy plants and help you to cultivate as close as desired. No crops will be knocked down in turning at ends of rows.

### Points Attach- ments

Regular, two-inch. If needed,  $1\frac{1}{4}$ - or  $2\frac{1}{2}$ -inch will be furnished.

No. 140 takes *Figs. 117, 118, 140, 261*, shown on pages 4 and 5. In ordering, please specify that they are wanted for No. 140.



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## High Pivot-Wheel Riding Cultivator

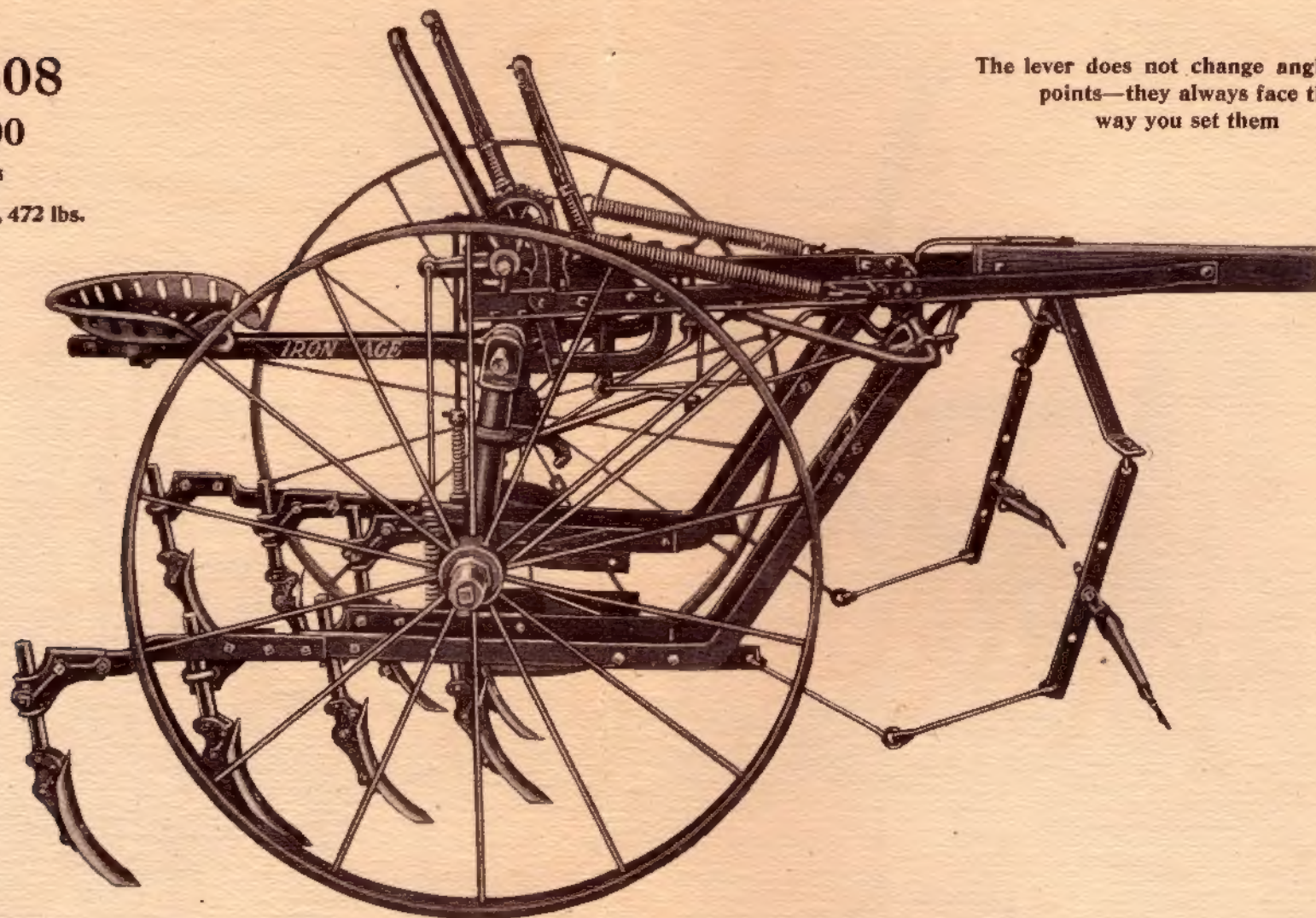
**No. 608**

**\$46.00**

8 hoes

Packed weight, 472 lbs.

The lever does not change angle of the points—they always face the way you set them



### Steel Frame

High pivot wheels and flat gang bars keep this machine and No. 878 from being twins. The steel frame and the angle-steel pole connections are practically the same. The machine is bound to be rigid, the gang heads are always in line and the levers give the operator control of all working parts.

### Pivot-Wheel Machine

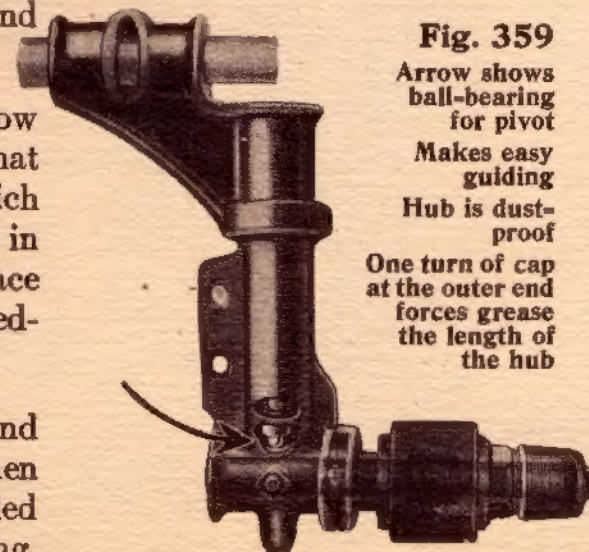
Pivot wheels make the work easier on hillsides or in crooked or irregular rows. The operator guides the machine with his feet, swinging the gangs either way by turning the wheels. It takes a bit of practice to operate a pivot-wheel machine, so try it at first with a slow, steady team. A ball-bearing of hardened steel carries the weight without friction and helps with the guiding.

### A High-Wheel Machine

The 42-inch wheels are furnished for the man who prefers them to low wheels. They are built with staggered spokes, channel tires that stay with the work on hillsides, and a dust-proof removable hub box, which is cheaply replaced. A hinged ring with one bolt holds the wheel in place, (at the left of hub in *Fig. 359*). One bolt through the stay brace and tie strap locks the wheels in place when you want to use it as a fixed-wheel cultivator.

### Dust-Proof Hub

No sand or dust can get inside the hub. It is protected on the outer end by a grease cup with cap (*Fig. 359*). It is filled with grease and then forced the length of the axle by a single turn of the cap on the threaded hub. Grease also fills a small chamber in the hub box to prevent heating.



**Fig. 359**

Arrow shows ball-bearing for pivot

Makes easy guiding

Hub is dust-proof

One turn of cap at the outer end forces grease the length of the hub



## High Pivot-Wheel Riding Cultivator

Adjusted frames—bring lands in line.  
Rigid construction

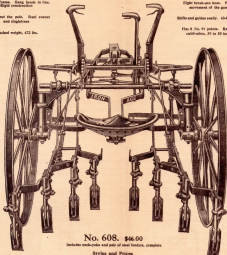
Eight horizontal bars—parallel  
movement of the gangs

Adjusted but the pole—equal wear  
and adjustment

Grills and grates easily—slide wheels

Packed weight, 475 lbs.

Has 4 No. 44 points—Range of  
cultivation, 21 to 35 inches



**No. 608. \$46.00**

Includes main-pole and pair of steel hangers, complete

### Styles and Prices

No. 606—Spring Pressure Loco-Down.....	\$40.00	No. 624B—Spring Hoes, see Fig. 465.....	\$40.00
No. 606A—Spring Tractor, see Fig. 471.....	\$4.75	No. 624C—Spring Tractor, see Fig. 471.....	\$4.75
No. 606B—Spring Hoes, see Fig. 465.....	\$3.00	No. 624D—Spring Tractor, see Fig. 471.....	\$4.75
No. 606C—Spring Hoes, see Fig. 465.....	\$3.00	No. 624E—Spring Hoes, see Fig. 465.....	\$3.00
No. 606D—Spring Tractor, see Fig. 471.....	\$4.75	No. 624F—Spring Hoes, see Fig. 465.....	\$3.00
No. 606E—Spring Tractor, see Fig. 471.....	\$4.75	No. 624G—Spring Hoes, see Fig. 465.....	\$3.00



BATEMAN MFG CO.  
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**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## High Pivot-Wheel Riding Cultivator

### Flat Steel Gangs

The gangs are flat steel bars properly put together for strength and rigidity. In close grown crops the outside sections can be taken off; likewise, the inside sections for a heavy crop.

### Width of Rows

The position of the wheels on the arch bar controls the range of cultivation, 39 to 50 inches. The distance between the gangs is regulated by an adjuster lever. You can shift with the team in motion and cultivate without injury, two or more crops in the same row.

### Easy Lift

Both gangs lift as easy as on the No. 878, and both may be raised at once by putting pins through lever and shaft.

### Points Set As You Want Them

You can throw soil to or from the plants and regulate the depth of the points. The standards are adjustable separately for depth and angle, and can be removed by loosening one nut. The points are  $2\frac{1}{2}$ -inch ( $1\frac{1}{4}$  or  $3\frac{1}{2}$ , if ordered) and they always travel at the same angle because the gangs are shifted in parallel lines.

### Points Held to Their Work

The points never tip in rough going. Tension springs hold them to their work, yet the tension always gives when the points strike obstructions. Pressure is released by loosening a small collar.

### Are You Heavy?

Heavy men or light find the right balance by changing the forward end of the pivot stay brace, the seat support is adjustable for height and angle, and the pole for height.

### Draft

The horses draw directly from each gang, using a steel evener and steel singletrees.

### Equipment

Furnished with eight hoes (No. 608) or six (No. 626) and spring-pressure lock-down. *Fig. 470* shows No. 638 Riding Cultivator with zigzag gangs—the points are placed to give better clearance for trash, or for soil which has not been thoroughly broken up and pulverized.

When wanted with spring teeth (*Fig. 371*), add letter "A" to the number, as No. 608A. When with new spring hoes (*Fig. 465*), add letter "B" to the number, as No. 608B.

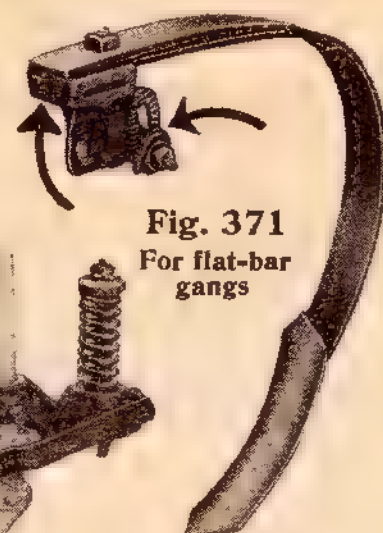
**To Change from Break-Pin to Spring Hoes** If you have break-pin hoes with standards, No. E376, and want to change to spring

hoes, you can easily slip these extra parts on the standards. Price, set of six, to change, \$4.50. Price, set of eight, to change, \$6.00.

### Attachments

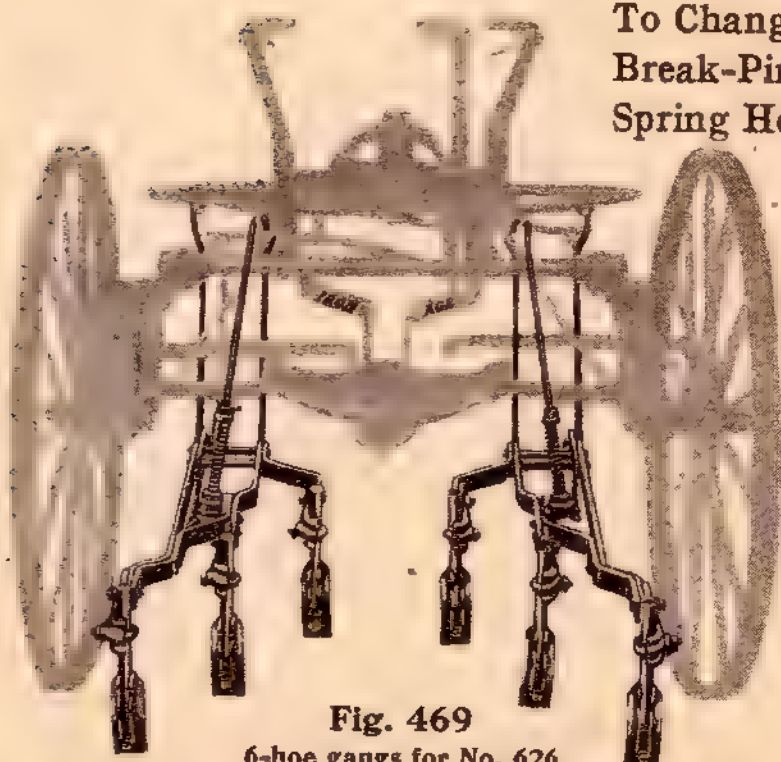
All of those shown on pages 4 and 5 are used on these Riding Cultivators, except *Fig. 147*.

Two adjustments—for depth and for width

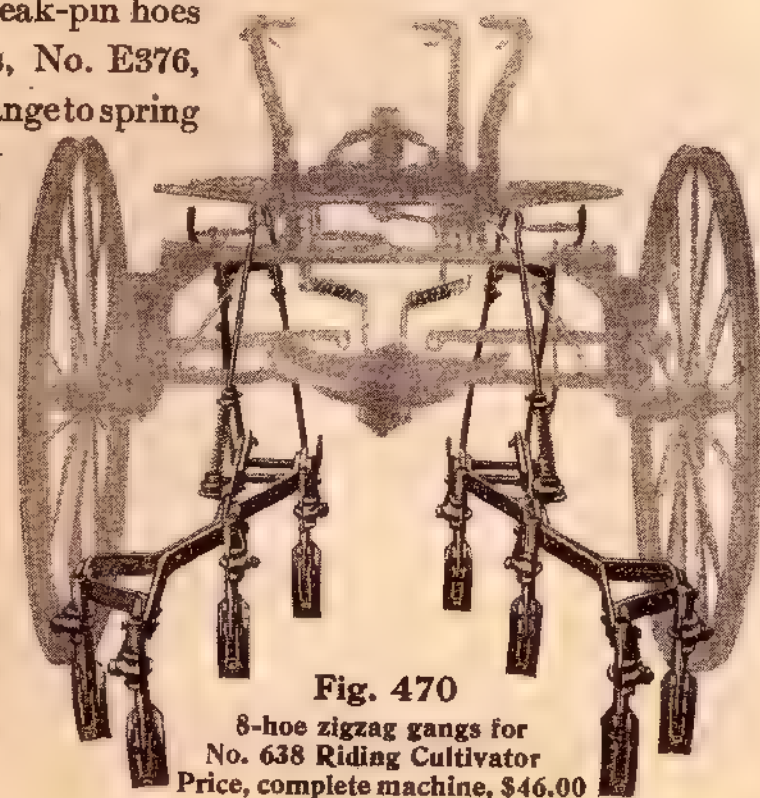


**Fig. 371**  
For flat-bar gangs

**Fig. 465**  
Price, complete, \$1.50



**Fig. 469**  
6-hoe gangs for No. 626  
Price, complete machine, \$43.50



**Fig. 470**  
8-hoe zigzag gangs for  
No. 638 Riding Cultivator  
Price, complete machine, \$46.00



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Fixed-Wheel Riding Cultivators

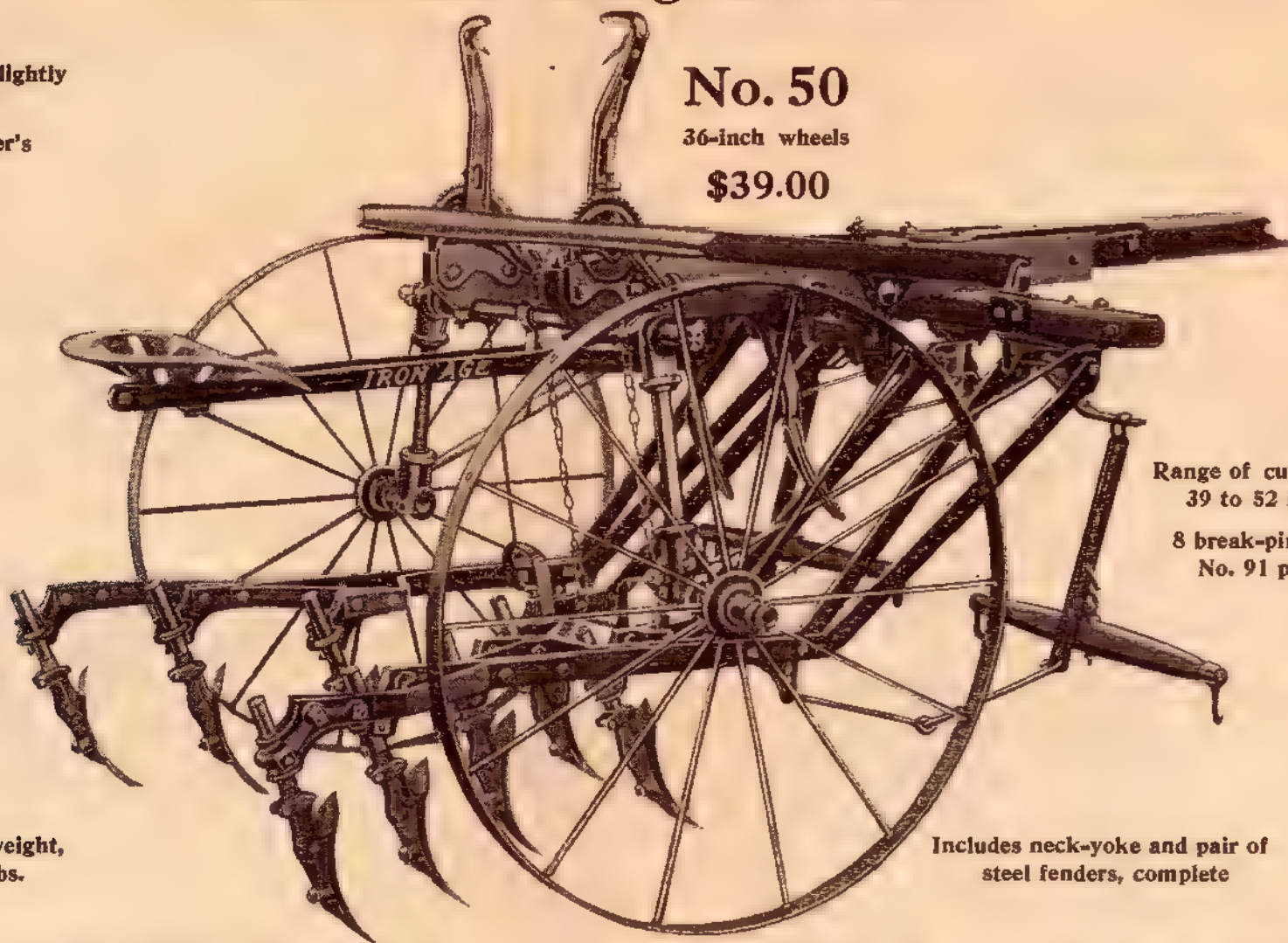
For use on level or slightly  
rolling ground

A market gardener's  
cultivator

**No. 50**

36-inch wheels

**\$39.00**



Range of cultivation,  
39 to 52 inches

8 break-pin hoes,  
No. 91 points

Packed weight,  
394 lbs.

Includes neck-yoke and pair of  
steel fenders, complete

**For Level Ground** For the market gardener and general farmer who cultivates level or slightly rolling ground, No. 50 is an O. K. machine. We have been making it for 22 years and all of this time it has done thorough work. Because it carries fixed wheels it is not so good for side hills.

**Strong, Convenient Gangs** The gangs are of the flat steel bar kind—strong and rigid. The inside teeth are independent and operated as described below. The outside sections are fixed in front and braced, and are adjustable in slots in the cross bar to suit the various width rows. The rear outside sections of each gang can be removed—it is sometimes necessary to use six hoes in narrow rows.

**Can Work Around Each Plant** Old-timers guided gangs with their feet. It was hard work; no fun at all to use a rider. But now a patent gang lever does the trick. Shifting the lever to the left or right steers the independent points around misplaced hills or bushy plants and depressing the lever brings the points together between the hills. All the plants get close and thorough cultivation.

**Of Special Interest to Market Gardeners** No other Riding Cultivator can do this and it is just what the market gardener wants—he is looking for exact work, especially among small plants. Foot loops are attached to the independent gangs and they can be used where both hands are needed for driving, or when the machine is used without the side lever and yoke that controls the independent gangs.

A chain lift raises and carries the independent gangs at the proper height. Ordinarily, the feet give all the extra pressure on the gangs that is needed.

**Spring-Pressure Lock-Down** Like those on Nos. 878 and 608. Furnished when ordered (see list opposite). They hold the points in the ground with all the necessary pressure, yet the pressure always gives when the points strike obstructions and there is little, if any, danger of breaking the points.



**Fig. 465**

Price, complete,  
\$1.50

See page 4



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Fixed-Wheel Riding Cultivators

**Point Standards** They are the same as used on Nos. 878 and 608 Cultivators and have the same adjustments for depth and angle.

**The Points** The regular style are  $2\frac{1}{2}$  inches wide, but we can furnish, when ordered, points  $1\frac{1}{4}$  and  $3\frac{1}{2}$  inches wide. (See list on inside back cover.)

**Other Adjustments** The seat support is adjustable in height and angle. A steel evener is used and the draft is direct from each gang.

**Range of Cultivation** Any width rows, 39 to 52 inches apart, representing space between the wheels.

**Choice of Equipment** Either 36- or 42-inch steel wheels, flat rim. With chain lift or with spring-pressure lock-down or without side lever and yoke. If wanted with gangs arranged as in No. 536, six hoes, add the figure "6" to the number. If spring hoes (*Fig. 465*) are wanted in place of break-pin hoes, add letter "B" to the number, as No. 50B.

This Cultivator cannot be equipped with spring teeth.

**Attachments** No. 50 takes *Figs. 117, 140, 261 and 285* shown on pages 4 and 5.

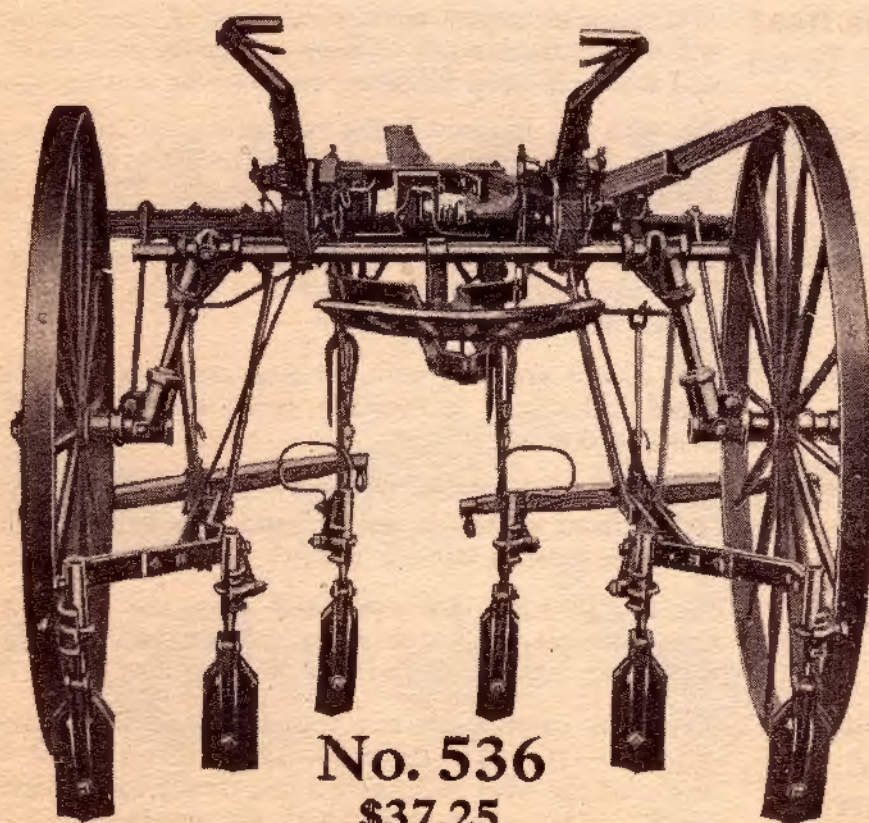
### Styles and Prices

No. 50—With Chain Lift.....	\$39.00
No. 50B—With Spring Hoes, (see Fig. 465).....	45.00
No. 506—No. 50 with 6 hoes.....	36.50
No. 506B—No. 50B with 6 hoes.....	41.00
No. 51—With Lock-Down.....	41.50
No. 51B—With Spring Hoes (see Fig. 465).....	47.50
No. 52—Without Side Lever and Yoke.....	37.75
No. 52B—With Spring Hoes, (see Fig. 465).....	43.75
No. 526—No. 52 with 6 hoes.....	35.25
No. 526B—No. 52B with 6 hoes.....	39.75
No. 53—With Chain Lift and 42-inch wheels.....	41.00
No. 53B—With Spring Hoes, (see Fig. 465).....	47.00
No. 536—No. 53 with 6 hoes.....	37.25
No. 536B—No. 53B with 6 hoes.....	41.75
No. 54—Same as No. 52 with 42-inch wheels.....	39.75
No. 54B—With Spring Hoes, (see Fig. 465).....	45.75
No. 546—No. 54 with 6 hoes.....	37.25
No. 546B—No. 54B with 6 hoes.....	41.75
Extra Spring Hoes, complete.....	1.50



**No. 53**  
**\$41.00**

With 42-inch wheels and short arches  
Includes neck-yoke and pair of steel fenders, complete.  
Packed weight, 403 lbs.



**No. 536**  
**\$37.25**

Riding Cultivator, with 6 hoes, 42-inch wheels and short arches  
Packed weight, 398 lbs.



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Two-Horse Walking Cultivators

**No. 976**

**\$26.00**

6 break-pin hoes  
(4 No. 91 points,  
2 No. 93 points)

### Prices

No. 974—4 Hoes.....	\$25.00
No. 976—6 Hoes.....	26.00
No. 976A—6 Spring Teeth....	24.75
No. 976B—6 Spring Hoes....	30.50
No. 988—8 Hoes.....	27.50
No. 988A—8 Spring Teeth....	26.25
No. 988B—8 Spring Hoes....	33.50

Balance frame  
Double cone bearings  
Points face one way, as set  
Patent point carrier  
Points bolted

Includes neck-yoke and one pair  
steel fenders, complete

Packed weight,  
300 lbs.

### The Need for Them

Walking Cultivators answer the need of many a man who wants a lower priced machine than a rider, yet one that will do thorough work. They are easier on a team than a rider, easier on the man than a one-horse hoe and they will work on steep hillsides, on stony or stumpy ground and in high grown crops where a rider cannot be used.

### Balance Frame and Bearings

No. 976 is a balance frame machine—the relative position of frame and wheels does not change whether the gangs are in the ground or hung up. Double cone bearings carry the gangs. They reduce friction in operation and one nut in a slotted hole takes up the wear. The gangs have pivot joints and shift in parallel lines with the points always facing one way. They are adjustable for the size of the crop—5½ inches on each side.

### Wheels

The wheels are steel with flat rims and sand- and dust-proof hubs with lubricating cups, same as on Nos. 878 and 608.

### Width of Rows

Wheels are adjustable on the arch for rows 36 to 48 inches from center to center, and the cultivator can safely be used in 28-inch rows.

### Axles

Short stub axles are used and they are easily and cheaply replaced when worn. Most balance frame cultivators have arch and axle in one piece.

### Points and Carriers

The point carriers are our patent—something entirely different—they are adjustable up or down or at any angle on the oval surface of a practically indestructible block. The points are bolted, not riveted—one bolt holds point, block carrier and washer. You will find this a real convenience and the parts are cheaply

Includes  
neck-yoke  
and one  
pair steel  
fenders,  
complete

**No.  
974**

**\$25.00**

4 break-pin  
hoes

4, 4½-inch  
points

Packed  
weight,  
282 lbs.



BATEMAN MFG CO.  
GRENLOCH, N.J., U.S.A.

**IRON AGE**

SEVENTY-EIGHT  
YEARS IN BUSINESS

## Two-Horse Walking Cultivators

replaced. For Nos. 976 and 988, 2½-inch points (No. 91) are furnished for the inside and 3½-inch (No. 93) for the outside. Any size points will be furnished that are needed. For No. 974 a new 4½-inch point is used.

### Handles

The handles are adjustable to permit the operator to work astride the row or at one side.

### Four-Hoe Machine

In hard or stony ground where the crop is planted close together, a four-hoe machine (No. 974) with wide points does better work. It will tear up the ground where narrow points would merely scratch the surface without doing any good. Set-over frame blocks are made to give the right spacing for this machine and 4½-inch cultivator points are used.

### Spring Teeth

Spring teeth are best for level cultivation. They leave a fine soil mulch which helps to retain the moisture in time of drought and yet it is loose enough to let the chemical parts of air unite and work on the soil for the benefit of the plants. Order by adding letter "A" to the number, as No. 988A.

### Other Equipment

Walking Cultivators are furnished with four, six or eight hoes. Regularly with break-pin hoes, or with spring hoes by adding the letter "B" to the number, as No. 976B.

### Attachments

Plow attachments similar to Fig. 117, on page 4, can be used on these Two-Horse Walking Cultivators, but they should be ordered as Fig. 117W. Price, \$1.00 per pair.

**No. 988A**

**\$26.25**

With Spring Teeth



Packed weight,  
336 lbs.

### Points and Steels

No. 1—2 inches.....	\$0.10
No. 12—R. or L.....	.30
No. 16—R. or L.....	.25
No. 18— 6 inches.....	.28
No. 18— 8 inches.....	.29
No. 18—10 inches.....	.32

No. 18—12 inches.....	\$0.38
No. 18—15 inches.....	.45
No. 092—Hilling Blade and Point, per pair	1.00
No. 88—4½ inches.....	.26

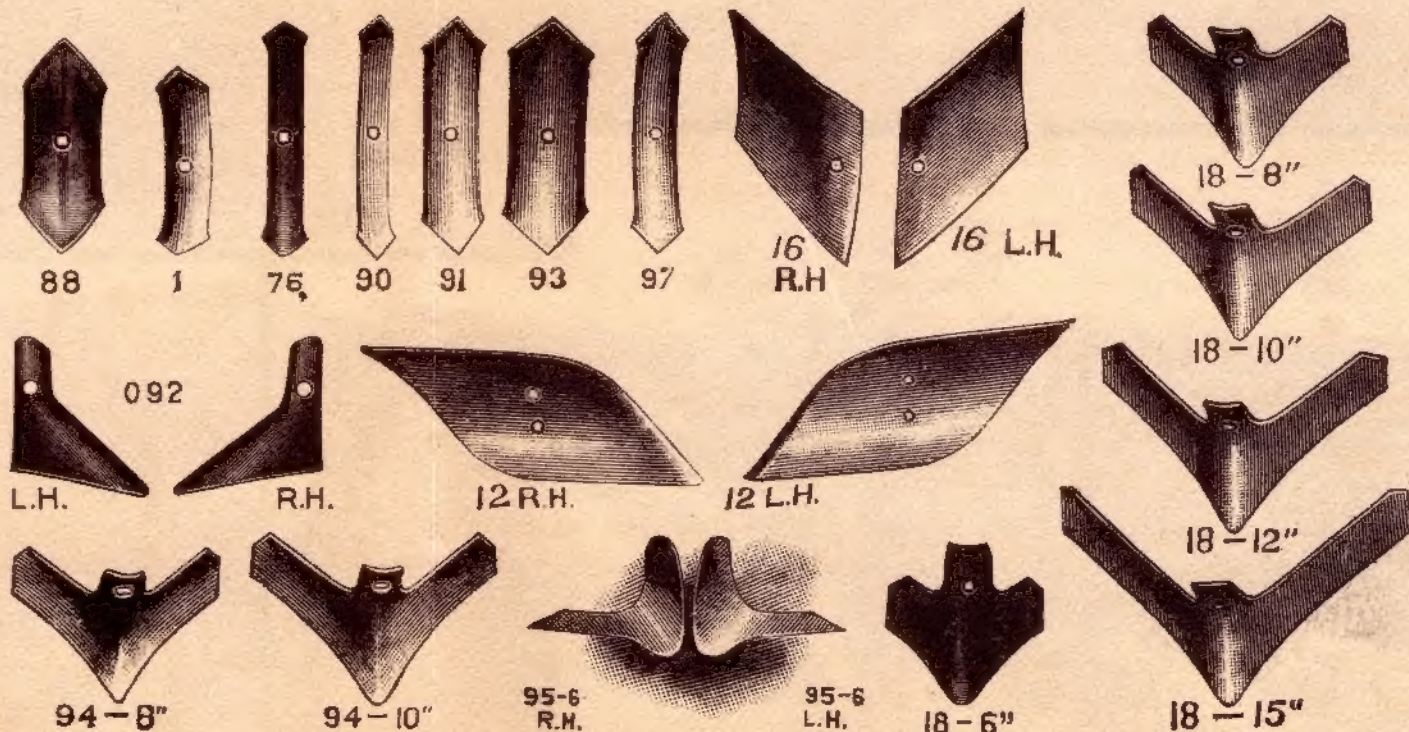
### For Riding Cultivators only

No. 76—1½ inches.....	\$0.18
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No. 90—1¼ inches.....	\$0.18
No. 97—2 inches.....	.19
No. 91—2½ inches.....	.20
No. 93—3½ inches.....	.22
No. 94— 8-inch Sweep.....	.28
No. 94—10-inch Sweep.....	.32
No. 95— 6-inch Side Hoes.....	.50

### Points and Steels

These are made of highest grade of material—all points are double end, of course, and re-inforced by upsetting at the tips so that they give twice the wear of ordinary points. No. 1 is used only on spring tooth machines—Nos. 12, 16, 18 may be used if needed, and the others are used only on Riding Cultivators of the complete "Iron Age" line.





# IRON AGE

Planted and Cultivated with  
Iron Age Tools and now he is using  
a Disc Attachment to Lay Them in

Two  
Horse  
Wallow  
Cultivation  
in  
Indiana



Two Horses in Corn that has Just  
Come Through the Ground



Wallow  
Harrowing  
After Plowing

With  
Horse  
Wallow  
Harrowing  
in  
Indiana



Cultivating Sweet Corn  
Deep in Centre, Shallow near Crisp



Working Close in the Early Stages of Growth



For Level Cultivation

Property of Jason Allen